

SUBMITTAL DATA

MUL30HP230V1R32AO
30000 BTU/H Multi-Zone Heat Pump System

Job Name

Location

Date

Purchaser

Engineer

Submitted to

For

Unit Designation

Schedule No.



MUL30HP230V1R32AO

GENERAL FEATURES

- AHRI Certificate: [215218915 \(Non-Ducted\)](#)
- [215218920 \(Ducted\)](#)
- [215218925 \(Mixed\)](#)
- High Efficiency DC Inverter Technology
- Compact and Quiet Design
- Auto Restart on Power Outages
- Multi-point Diagnostics
- Wi-Fi Included (Factory Installed)
- Low Ambient Cooling down to -22°F (Range -22°F to 118°F)
- Low Ambient Heating down to -22°F (Range -22°F to 75°F)
- Coil (Indoor and Outdoor) Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

MULTI-ZONE COMPATIBILITY CHART

WALL MOUNT OPTIONS

	MULTI-ZONE					
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
LIVO						
System Model no.						
LIV05HP230V1R32AH	•	•	•	•	•	•
LIV07HP230V1R32AH	•	•	•	•	•	•
LIV09HP230V1R32AH	•	•	•	•	•	•
LIV12HP230V1R32AH	•	•	•	•	•	•
LIV18HP230V1R32AH		•	•	•	•	•
LIV24HP230V1R32AH			•	•	•	•
LIV30HP230V1R32AH						
LIV36HP230V1R32AH						
VIREO						
System Model no.						
VIR09HP230V1R32AH	•	•	•	•	•	•
VIR12HP230V1R32AH	•	•	•	•	•	•
VIR18HP230V1R32AH		•	•	•	•	•
VIR24HP230V1R32AH			•	•	•	•
ENVO						
System Model no.						
ENV09HP230V1R32AH	•	•	•	•	•	•
ENV12HP230V1R32AH	•	•	•	•	•	•
ENV18HP230V1R32AH		•	•	•	•	•
ENV24HP230V1R32AH			•	•	•	•
SAPPHIRE						
System Model no.						
SAP09HP230V1R32AH	•	•	•	•	•	•
SAP12HP230V1R32AH	•	•	•	•	•	•
SAP18HP230V1R32AH		•	•	•	•	•
SAP24HP230V1R32AH			•	•	•	•

ADDITIONAL INDOOR UNIT OPTIONS

	MULTI-ZONE					
	MUL18HP230V1R32AO	MUL24HP230V1R32AO	MUL30HP230V1R32AO	MUL36HP230V1R32AO	MUL42HP230V1R32AO	MUL48HP230V1R32AO
ONE WAY CASSETTE						
System Model no.						
OWC09HP230V1R32AH	•	•	•	•	•	•
OWC12HP230V1R32AH	•	•	•	•	•	•
OWC18HP230V1R32AH		•	•	•	•	•
OWC20HP230V1R32AH			•	•	•	•
CEILING CASSETTE						
System Model no.						
CAS09HP230V1R32AH	•	•	•	•	•	•
CAS12HP230V1R32AH	•	•	•	•	•	•
CAS18HP230V1R32AH		•	•	•	•	•
CAS24HP230V1R32AH			•	•	•	•
SLIM DUCT						
System Model no.						
DUC09HP230V1R32AH	•	•	•	•	•	•
DUC12HP230V1R32AH	•	•	•	•	•	•
DUC18HP230V1R32AH		•	•	•	•	•
DUC24HP230V1R32AH			•	•	•	•
FLOOR/CEILING						
System Model no.						
FLR09HP230V1R32AH	•	•	•	•	•	•
FLR12HP230V1R32AH	•	•	•	•	•	•
FLR18HP230V1R32AH		•	•	•	•	•
FLR24HP230V1R32AH			•	•	•	•
MINI-CONSOLE						
System Model no.						
CON09HP230V1R32AH	•	•	•	•	•	•
CON12HP230V1R32AH	•	•	•	•	•	•
CON18HP230V1R32AH		•	•	•	•	•

NOTE: R32 Indoor units are only compatible with R32 Outdoor units. Keep in mind, line set is always sized by the indoor unit valve diameter.

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SYSTEM TYPE			HEAT PUMP
Outdoor Model			MUL30HP230V1R32AO
Number of Zones			2 - 4
SYSTEM PERFORMANCE (Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,190 - 34,100
	Rated Capacity @95°F	Btu/h	28,400
Heating Capacity	Min - Max	Btu/h	8,190 - 40,900
	Rated Capacity @47°F	Btu/h	30,000
	Rated Capacity @17°F	Btu/h	28,000
	Rated Capacity @5°F	Btu/h	27,000
SEER2			21
EER2			13.6
HSPF2			10.0
COP @5°F			2.07
SYSTEM PERFORMANCE (Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,190 - 34,100
	Rated Capacity @95°F	Btu/h	28,400
Heating Capacity	Min - Max	Btu/h	8,190 - 40,900
	Rated Capacity @47°F	Btu/h	30,000
	Rated Capacity @17°F	Btu/h	27,200
	Rated Capacity @5°F	Btu/h	26,000
SEER2			18.0
EER2			12.0
HSPF2			8.1
COP @5°F			1.88
SYSTEM PERFORMANCE (Mixed Ducted and Non-Ducted Indoor Units)			
Cooling Capacity	Min - Max	Btu/h	8,190 - 34,100
	Rated Capacity @95°F	Btu/h	28,400
Heating Capacity	Min - Max	Btu/h	8,190 - 40,900
	Rated Capacity @47°F	Btu/h	30,000
	Rated Capacity @17°F	Btu/h	27,600
	Rated Capacity @5°F	Btu/h	26,400
SEER2			19.0
EER2			12.2
HSPF2			9.0
COP @5°F			1.81
OUTDOOR UNIT			MUL30HP230V1R32AO
Cooling Temperature Range		°F	-22 - 118
Heating Temperature Range		°F	-22 - 75
Refrigerant Type		R32	
Cmpressor Type		GREE G-20 / Double Cylinder / 1 - STAGE INVERTER	
Sound Pressure Level		dB(A)	58
External Dimensions (W x H x D)		in	40-10/64 x 32-33/64 x 16-52/64
Package Dimension (W x H x D)		in	43-1/32 x 34-27/32 x 19-9/16
Net Weight		lbs	145.5
Gross Weight		lbs	161.0
REFRIGERANT PIPING			
Refrigerant Charge - R32		oz	77.616
Cmpressor Type		GREE G-20 / Double Cylinder / 1 - STAGE INVERTER	
Additional Charge		oz/ft	0.2

Port Size (Liquid - Gas)	Port A (in)	1/4 - 3/8	
	Port B (in)	1/4 - 3/8	
	Port C (in)	1/4 - 3/8	
	Port D (in)	1/4 - 3/8	
	Port E (in)		
Pre-Charge Length		ft	131
Pipe Length (Min - Max)		ft	10 - 263
Pipe Length to furthest Indoor Unit		ft	82
Max. Pipe Elevation		ft	82
ELECTRICAL			
Power Supply		208-230V / 1Ph / 60Hz	
Voltage Range (Min - Max)		VAC	187 - 253
Rated Current - Cooling		A	20
Rated Current - Heating		A	21.7
MOCP		A	30
MCA		A	23
Main Power Wire Size		AWG	Per Local Code
Interconnecting Wire Size		AWG	14 / 4
FEATURES & FUNCTIONS SUMMARY			
Inverter Type		G20	
Ultra Low Frequency Torque Control		Yes	
Compressor Type - Inverter		Yes	
Basepan With Electric Heater		High Efficiency Rotary	
Indoor & Outdoor Fin Coating (Blue Fin)		Yes	
Intelligent Defrosting		Yes	
Intelligent Preheating		Yes	
Low Voltage Startup		Yes	
Memory/Power Failure Recovery		Yes	
Self Diagnosis		Yes	

ALLOWABLE COMBINATIONS CAPACITIES

MODEL NUMBER	POSSIBLE COMBINATIONS*	COOLING CAPACITY (Btu/h)					HEATING CAPACITY (Btu/h)				
		ZONE1	ZONE2	ZONE3	ZONE4	ZONE5	ZONE1	ZONE2	ZONE3	ZONE4	ZONE5
MUL30HP230V1R32AO	5K+5K+5K	5,000	5,000	5,000			6,000	6,000	6,000		
MUL30HP230V1R32AO	7K+7K+7K	7,000	7,000	7,000			8,000	8,000	8,000		
MUL30HP230V1R32AO	5K+5K+7K	5,000	5,000	6,000			6,000	6,000	8,000		
MUL30HP230V1R32AO	5K+7K+7K	5,000	7,000	7,000			6,000	8,000	8,000		
MUL30HP230V1R32AO	5K+5K+5K+5K	5,000	5,000	5,000	5,000		6,000	6,000	6,000	6,000	
MUL30HP230V1R32AO	7K+7K+7K+7K	7,000	7,000	7,000	7,000		8,000	8,000	8,000	8,000	
MUL30HP230V1R32AO	5K+5K+5K+7K	5,000	5,000	5,000	7,000		6,000	6,000	6,000	8,000	
MUL30HP230V1R32AO	5K+5K+7K+7K	5,000	5,000	7,000	7,000		6,000	6,000	8,000	8,000	
MUL30HP230V1R32AO	5K+7K+7K+7K	5,000	7,000	7,000	7,000		6,000	8,000	8,000	8,000	
MUL30HP230V1R32AO	9K+9K	9,000	9,000				9,000	9,000			
MUL30HP230V1R32AO	9K+12K	9,000	12,000				9,000	12,000			
MUL30HP230V1R32AO	9K+18K	9,000	18,000				9,000	18,000			
MUL30HP230V1R32AO	9K+24K	7,745	20,655				8,182	21,818			
MUL30HP230V1R32AO	12K+12K	12,000	12,000				12,000	12,000			
MUL30HP230V1R32AO	12K+18K	11,360	17,040				12,000	18,000			
MUL30HP230V1R32AO	12K+24K	9,467	18,933				10,000	20,000			
MUL30HP230V1R32AO	18K+18K	14,200	14,200				15,000	15,000			
MUL30HP230V1R32AO	18K+24K	12,171	16,229				12,857	17,143			
MUL30HP230V1R32AO	9K+9K+9K	9,000	9,000	9,000			9,000	9,000	9,000		
MUL30HP230V1R32AO	9K+9K+12K	8,520	8,520	11,360			9,000	9,000	12,000		
MUL30HP230V1R32AO	9K+9K+18K	7,100	7,100	14,200			7,500	7,500	15,000		
MUL30HP230V1R32AO	9K+9K+24K	6,086	6,086	16,229			6,429	6,429	17,143		
MUL30HP230V1R32AO	9K+12K+12K	7,745	10,327	10,327			8,182	10,909	10,909		
MUL30HP230V1R32AO	9K+12K+18K	6,554	8,738	13,108			6,923	9,231	13,846		
MUL30HP230V1R32AO	9K+12K+24K	5,680	7,573	15,147			6,000	8,000	16,000		
MUL30HP230V1R32AO	9K+18K+18K	5,680	11,360	11,360			6,000	12,000	12,000		
MUL30HP230V1R32AO	12K+12K+12K	9,467	9,467	9,467			10,000	10,000	10,000		
MUL30HP230V1R32AO	12K+12K+18K	8,114	8,114	12,171			8,571	8,571	12,857		
MUL30HP230V1R32AO	9K+9K+9K+9K	7,100	7,100	7,100	7,100		7,500	7,500	7,500	7,500	
MUL30HP230V1R32AO	9K+9K+9K+12K	6,554	6,554	6,554	8,738		6,923	6,923	6,923	9,231	
MUL30HP230V1R32AO	9K+9K+9K+18K	5,680	5,680	5,680	11,360		6,000	6,000	6,000	12,000	
MUL30HP230V1R32AO	9K+9K+12K+12K	6,086	6,086	8,114	8,114		6,429	6,429	8,571	8,571	
MUL30HP230V1R32AO	9K+12K+12K+12K	5,680	7,573	7,573	7,573		6,000	8,000	8,000	8,000	

Outdoor Unit & Possible Indoor Unit Combinations with AHRI Certified Performance

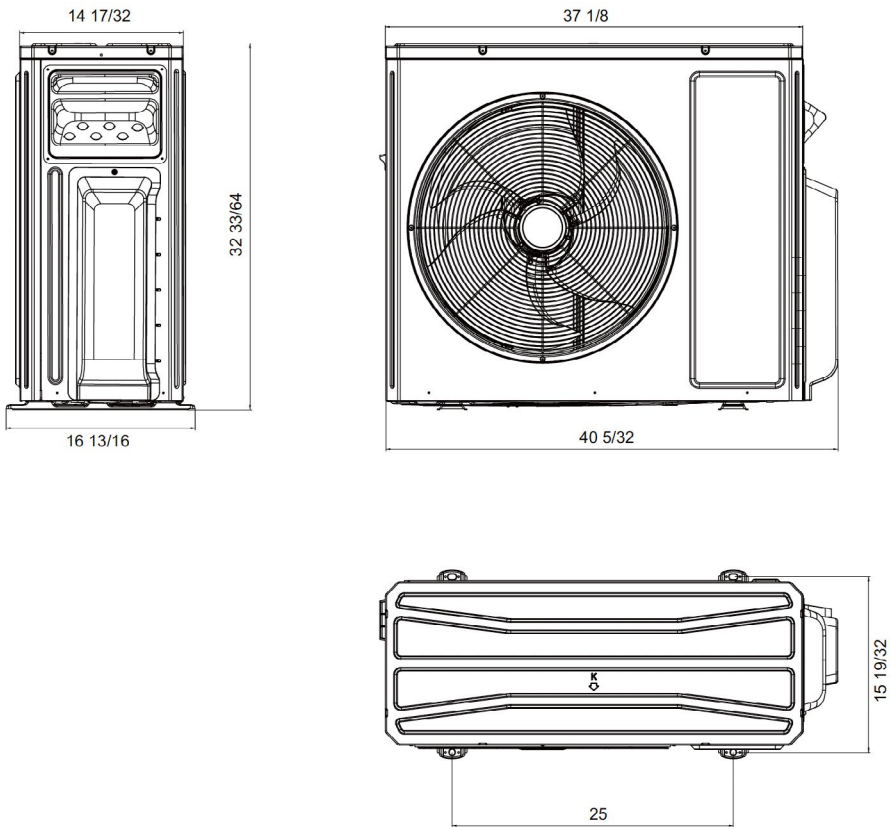
*You may substitute the 9K unit with a 5K or 7K High Wall unit, find complete capacity information in the extended ratings chart.

DIMENSIONS

OUTDOOR UNIT

Unit: inch

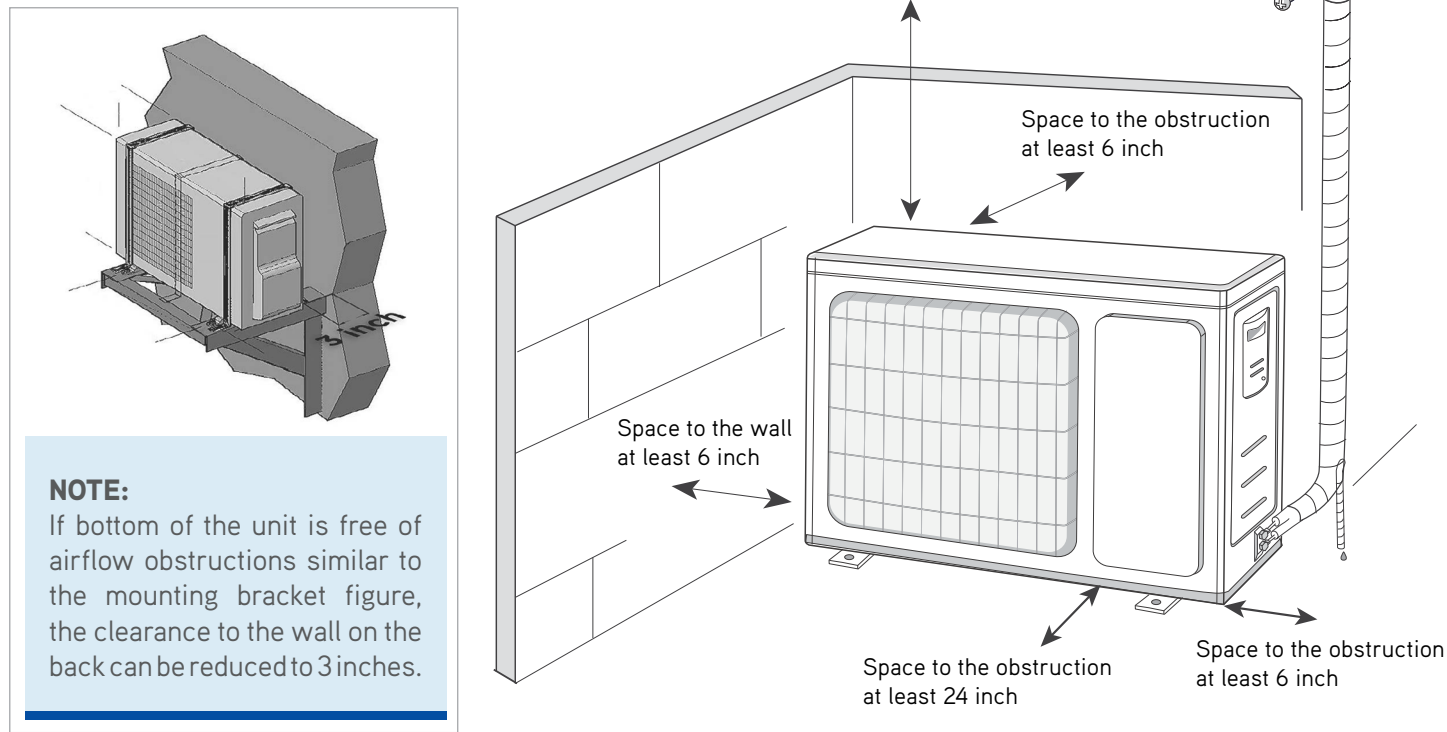
MUL30HP230V1R32AO
DIMENSIONS



CLEARANCES

OUTDOOR UNIT

Minimum clearance



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